


ITEM #	PART #	DESCRIPTION	QTY.
1	4-5V8.0	SHEAVE - Ø8" OD 4, 5-GROOVE, V-SECTION	1
2	HBI-310-201	HEX BOLT - 5/16"-18 NC x 2" LONG - Z.P.	3
3	E58	TAPER E BUSHING - Ø58mm BORE	1
4	SK60	SK BUSHING - Ø60mm	1
5	HBI-501-271	HEX BOLT - 1/2"-20 NF x 2-3/4" LONG - Z.P.	3
6	RF500-190P	FILLER BREATHER CAP	1
8	RF140-46LU	HOUSING SHROUD - 1400LU PUMP	1
9	HBM-200-501	HEX BOLT - M20 x 50mm LONG - Z.P.	20
10	HNM-200-H1	HEX NUT - M20 x 2mm - Z.P.	2
11	HWM-200-21	LOCK WASHER - M20 - Z.P.	20
12	RF140-3	HOUSING END CAP - 1400 PUMP	2
13	RF140-1	PUMP HOUSING - 1400 PUMP	1
14	HPI-25R-350	ROLL PIN - Ø1/4" x 3-1/2" LONG	2
17	RF140-4	ROTOR ASSEMBLY FOR 1400 PUMP	1
18	HPI-38D-200	DOWEL PIN - Ø3/8" x 2" LONG	4
19	RF140-19	ROLLER BEARING (NJ313 SINGLE ROW CYL.)	2
20	RF140-20	OIL SEAL ROTOR SHAFT	3
21	RF140-21	BEARING SHIM .003IN THK (0.08mm) 5.433 X 4.567	1
21A	RF140-21A	BEARING SHIM .005IN THK (0.12mm) 5.433 X 4.567	1
22	RF140-24	WAVE SPRING (138mm OD x 88mm ID)	2
23	RF140-23	O-RING - SEAL HOUSING	2
24	RF140-15	SEAL HOUSING - 1400 PUMP	1
25	RF140-22	OIL SEAL HOUSING - 1400 PUMP	1
26	RF120-8	ROTOR COLLAR	2
27	HBM-100-301	HEX BOLT - M10 x 30mm - Z.P.	16
27A	HBM-100-401	HEX BOLT - M10 x 40mm - Z.P.	4
28	HWM-100-21	LOCK WASHER - M10 - Z.P.	20
29H	RF120-33L	FAN (LEFT HAND) - 1200 & 1400 PUMPS	1
30N	RF140-34N	FAN SHROUD - 1400 PUMP	1
31	RF120-74	KEY (5/8" x 5/8" x 2-3/8" LONG)	1
32	HBM-080-251	HEX BOLT - M8 x 25mm - Z.P.	3
33	HBM-080-301	HEX BOLT - M8 x 30mm - Z.P.	12
33A	HBM-080-401	HEX BOLT - M8 x 40mm - Z.P.	4
34	HWM-080-21	LOCK WASHER - M8 - Z.P.	19
35	HBM-080-201	HEX BOLT - M8 x 20mm - Z.P.	4
36	RF120-151	SHROUD BRACKET	4
37	RF120-290	FAN GUARD HALF 1200 PUMP (2PIECE = 1 GUARD)	2
38	RF500-13F	LEVER ASSEMBLY FOR FRUITLAND VACUUM PUMPS	1
39	HBI-251-756	SHCS - 1/4"-28 NF x 3/4" LONG	1
40	RF120-12	DIVERTER VALVE CAP	1
41	RF120-12-OR	O-RING - DIVERTER VALVE CAP	1
42	RF500-62A	OIL SEAL - DIVERTER VANE	1
43	RF500-14A	SPRING - DIVERTER VANE	1
44	RF870-10F	DIVERTER VANE	1
45	HPI-310-125	ROLL PIN - Ø5/16" x 1-1/4" LONG	1
46	RF870-11F	DIVERTER HOUSING - FILTER PUMPS	1
47	RF870-65	GASKET - DIVERTER FLANGE	2
48	RF870-4NPT	DIVERTER FLANGE - 4" NPT	2
49	RF870-62	GASKET - PUMP OUTLET FLANGE	2

ITEM #	PART #	DESCRIPTION	QTY.
50	HBM-060-161	HEX BOLT - M6 x 16mm LONG - Z.P.	2
51	HBM-060-101	HEX BOLT - M6 x 10mm LONG - Z.P.	14
52	HWM-060-21	LOCK WASHER - M6 - Z.P.	16
53	HBM-120-401	HEX BOLT - M12 x 40mm LONG - Z.P.	4
54	HWM-120-21	LOCK WASHER - M12 - Z.P.	8
55	HBM-120-301	HEX BOLT - M12 x 30mm LONG - Z.P.	4
56	RF140-47	SHROUD PLATE	1
57	HBI-06R-380	SELF DRILLING SCREW	4
58	RF140-6	VANES FOR 1400 PUMP	8
59L	1400LUOL1	1400LU EXTERNAL OIL LINE 1	1
	1400LUOL2	1400LU EXTERNAL OIL LINE 2	1
	1400LUOL3	1400LU EXTERNAL OIL LINE 3	1
	1400LUOL4	1400LU EXTERNAL OIL LINE 4	1
59S	OPX-050-700	PLASTIC OIL LINE - 7" LONG	2
	OPX-050-800	PLASTIC OIL LINE - 8" LONG	2
60	RF500-25SG	SIGHT GLASS - 1" BSPP	6
61	RF140-189	OIL TANK COVER - 1400 PUMP	1
62	RF140-62	O-RING - OIL TANK	1
63	HBM-100-801	HEX BOLT - M10 x 80mm - Z.P.	4
64	RF140-64	TRANSITION PLATE - 1400 PUMP	1
65	RF140-BV1	BACK-UP VALVE FLANGE - 1400 PUMP	1
66	RF140-BV2	BACK-UP VALVE DISC - 1400 PUMP	1
67	RF140-BV3	O-RING - BACK-UP VALVE	1
68	HBM-12H-445-130	SHOULDER BOLT - M12mm x 44.5mm LONG - Ø13mm SHOULDER	1
69	HNM-120-L1	LOCK NUT - M12 x 1.75mm - Z.P.	1
73	RF140-7L-OR	O-RING - FILTER BOX LID	1
74	RF870-61	GASKET - INTAKE FLANGE	1
75	RF140-7	FILTER BOX - 1400 PUMP	1
76	RF870-64	GASKET - DIVERTER TO FILTER	1
77	RF140-FC	FILTER CARTRIDGE	1
78	RF140-F00	FOUR ARM KNOB - 3/8"-16 NC	1
79	RF140-7L	FILTER BOX LID	1
79A	HWM-100-06	FLAT WASHER - M10 - COPPER	1
80	HBM-20E-040	EYEBOLT - M20 x 40mm LONG	2
81	RF870-16	AIR INJECTION COVER	1
82	RF870-63	GASKET - BALLAST COVER	1
85	FPP-121-SBR	PIPE PLUG - 1-1/4" NPT - BRASS	1
86	FCE-011-250-BR	COMP. ELBOW - 1/8 NPT x 1/4" TUBE OD - BRASS	10
88	FPP-021-BSQ	PIPE PLUG - 1/4" NPT - SQ HEAD (BLACK IRON)	6
89	RF140-89	GASKET - HOUSING END CAP	2
90	RF120-9	PUMP BASE - 1200 & 1400 PUMPS	2
91	HPI-15R-125	ROLL PIN - Ø5/32" x 1-1/4" LONG	1
93	FCS-011-250-BR	COMP. FITTING - 1/8" NPT x 1/4" TUBE OD - BRASS	4
94	FPP-011-HCS	PIPE PLUG - 1/8" NPT - SOCKET HEX - STEEL	4
96	RF500-27	GASKET - OIL PUMP	1
97	OPA-140L*	FRUITLAND OIL PUMP LH	1
	OPA-140R*	FRUITLAND OIL PUMP RH	1
98	OPM-140-15	INTAKE PIPE - 1/16" NPT x 5-1/2" LONG	1
100	FPN-021-350-BI	NIPPLE - 1/4" NPT x 3-1/2" LONG - BLACK IRON	2

ITEM #	PART #	DESCRIPTION	QTY.
101	FVP-021-BR	DRAIN/PLUG VALVE - 1/4" NPT - BRASS	1
102	FPE-022-90-BI	PIPE ELBOW (FXF) - 1/4" NPT - BLACK IRON	1
103	FPN-021-450-BI	NIPPLE - 1/4" NPT x 4-1/2" LG - BLACK IRON	1
104	FPC-022-BI	PIPE COUPLING - 1/4" NPT - BLACK IRON	1
105	HWI-380-32	FLAT WASHER, SAE (SMALL) - 3/8" - Y.Z.P.	1
106	HNI-380-H1	HEX NUT - 3/8"-16 NC - Z.P.	1
107	RF140-7TR	THREADED ROD - 3/8"-16 NC x 7-1/2" LONG - Z.P.	1
108	VB	VACUUM RELIEF VALVE - 1-1/2" NPT	1
110	RF140-BH	BELL HOUSING - 1400 PUMPS	1
111	RF120-GR	GUARD RINGS	4
112	RF120-02	CLAMP PLATE FOR BELL HOUSING	1
113	WT358	WT358 COUPLING FLANGE CAST	2
114	WT358H	COUPLING FLANGE SPECIFY BORE	1
115	HBI-38S-503	SET SCREW - 3/8"-16 NC x 1/2" LONG	2
116	RF120-MP	HYD. MOTOR MOUNTING PLATE	1
117	RF870-AI-U	AIR INJECTION VALVE MOUNTING PLATE	1
118	RF870-AI	AIR INJECTION VALVE ASSEMBLY	1
119	AI-870-F	AIR INJECTION FILTER	1
120	FPN-121-020-CS	PIPE NIPPLE - 1-1/4" NPT x 2" LONG	1
121	FPA-121-155-BR	PIPE ADAPTOR - 1-1/4" NPT x 1-1/2" BARB	2
122	RHS-150-EXF	RUBBER HOSE - Ø1-1/2" - EXTREMEFLEX 13-1/2" LONG (UPRIGHT)	1
123	HCM-080-055	HOSE CLAMP - 1-1/2" (52-55mm)	2
124	FPE-122-90-CS	PIPE ELBOW 90° (FxF) - 1-1/4" NPT	1
125	FPN-121-040-CS	PIPE NIPPLE - 1-1/4" NPT x 4" LONG	1
126	FPE-020-91-BR	STREET ELBOW 90° (MxF) - 1/4" NPT - BRASS	2
127	AI-870-84	S.S. BRAIDED HOSE - 1/4" NPT x 23" LG. x 3/8" OD	1
128	HBI-310-121	HEX BOLT - 5/16"-18 NC x 1-1/4" LG - Z.P.	4
129	HNI-310-N2	NYLOCK HEX NUT - 5/16"-18 NC - Y.Z.P.	4
130	HWI-310-32	FLAT WASHER, SAE (SMALL) - 5/16" - Y.Z.P.	4
131	HWI-310-42	FLAT WASHER, USS (LARGE) - 5/16" - Y.Z.P.	4
132	HBM-100-1051	HEX BOLT - M10 x 105mm LONG - Z.P.	2
133	HNM-100-N1	NYLOCK NUT - M10 x 1.5mm - Z.P.	2
134	HWM-100-01	FLAT WASHER - M10 - Z.P.	2
135	FPE-022-90-BI	PIPE ELBOW, 90° (FxF) - 1/4" NPT	1
136	FPN-021-040-CS	PIPE NIPPLE - 1/4" NPT x 4" LONG	1
DIR	RF500-DIR	DIRECTION TAG	1
INS	RF500-INS	INSTRUCTION TAG	1
NAM	RF500-NAM	NAME PLATE	1
MAN	RF500-MAN	MANUAL	1

1400 PUMP PART #'S:
1400LUF 1400LSF
1400LUFH 1400LSFH
1400RUF 1400RSF
1400RUFH 1400RSFH

* SPECIFY PUMP ROTATION "L" OR "R" AND 4-WAY VALVE LOCATION — UP OR SIDE.

NAME	DATE	 <small>324 Leaside Avenue Stoney Creek, Ontario, CANADA L8E 2N7 Phone: (905) 662-6552 Fax: (905) 662-9875</small>
CREATED	Z.D. 06/17/2021	
CHECKED	K.A. 06/17/2021	TITLE: 1400 STANDARD PUMP EXPLODED VIEW (PARTS LIST)
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL OR .X = ±.015 .XX = ±.010 .XXX = ±.005		DWG. NO. 1400LUF
MATERIAL	--	REV 1
SCALE: 1:12		WEIGHT:--
		SHEET 2 OF 2

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